

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010390

A. CLASSIFICATION OF SUBJECT MATTER	IPC 7 C12N9/10 C12N5/10 C12Q1/68 G01N33/48 G01N33/50
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, BIOSIS, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online!'            9 September 2003 (2003-09-09), "Homo sapiens cDNA FLJ25989 f1s, clone DMCO1816."            XP002315666            retrieved from EBI accession no.            EM_PRO:AK129500            Database accession no. AK129500            the whole document</p> <hr/> <p>WO 03/053363 A2 (MILLENNIUM PHARMACEUTICALS, INC)            3 July 2003 (2003-07-03)            Especially Seq ID No 19 and 20, and claims            the whole document</p> <hr/> <p style="text-align: center;">-/-</p>	1-8
X		1-41

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier document but published on or after the International filing date
- 'U' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the International filing date but later than the priority date claimed

- 'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- '&' document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
31 January 2005	15/02/2005
Name and mailing address of the ISA	Authorized officer

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Kools, P

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## C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/029424 A2 (CURAGEN CORPORATION; SMITHSON, GLENNDAA; MILLET, ISABELLE; PEYMAN, JOHN) 10 April 2003 (2003-04-10) the whole document	1-41
A	CASES S ET AL: "Cloning of DGAT2, a second mammalian diacylglycerol acyltransferase, and related family members" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 276, no. 42, 19 October 2001 (2001-10-19), pages 38870-38876, XP002199715 ISSN: 0021-9258 cited in the application the whole document	1-41
A	CAO J ET AL: "Properties of the Mouse Intestinal Acyl-CoA: Monoacylglycerol Acyltransferase, MGAT2" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 278, no. 28, 1 May 2003 (2003-05-01), pages 25657-25663, XP002979763 ISSN: 0021-9258 cited in the application the whole document	1-41
A	LOCKWOOD JOHN F ET AL: "Human intestinal monoacylglycerol acyltransferase: Differential features in tissue expression and activity." AMERICAN JOURNAL OF PHYSIOLOGY, vol. 285, no. 5 Part 1, 24 June 2003 (2003-06-24), pages E927-E937, XP002315665 ISSN: 0002-9513 the whole document	1-41
A	CHEN H C ET AL: "INCREASED INSULIN AND LEPTIN SENSITIVITY IN MICE LACKING ACYL COA:DIACYLGLYCEROL ACYLTRANSFERASE 1" JOURNAL OF CLINICAL INVESTIGATION, NEW YORK, NY, US, vol. 109, no. 8, April 2002 (2002-04), pages 1049-1055, XP001184178 ISSN: 0021-9738 cited in the application the whole document	1-41
	-/-	

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International Application No  
PCT/EP2004/010390

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	<p>WAKIMOTO K ET AL: "A novel diacylglycerol acyltransferase (DGAT2) is decreased in human psoriatic skin and increased in diabetic mice"          BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC.          ORLANDO, FL, US,          vol. 310, no. 2,          17 October 2003 (2003-10-17), pages          296-302, XP004458942          ISSN: 0006-291X          the whole document          -----</p>	1-41

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03053363	A2	03-07-2003	EP US	1455815 A2 2003170691 A1		15-09-2004 11-09-2003
WO 03029424	A2	10-04-2003	CA CA EP WO US US WO US WO US CA EP WO US	2455225 A1 2455389 A1 1446419 A2 03029423 A2 2004038223 A1 2004038877 A1 03031571 A2 2004014058 A1 03031572 A2 2003199442 A1 2447935 A1 1401470 A2 02099062 A2 2004018555 A1		10-04-2003 10-04-2003 18-08-2004 10-04-2003 26-02-2004 26-02-2004 17-04-2003 22-01-2004 17-04-2003 23-10-2003 12-12-2002 31-03-2004 12-12-2002 29-01-2004

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### Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - a sequence listing
    - table(s) related to the sequence listing
  - b. format of material
    - in written format
    - in computer readable form
  - c. time of filing/furnishing
    - contained in the international application as filed
    - filed together with the international application in computer readable form
    - furnished subsequently to this Authority for the purpose of search
2.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments: